VOLUME CONTENTS

CONTENTS VOL. 77 NO. 1 1996

R. W. Gauldie. Fusion of otoconia: a stage in the development of the otolith in the evolution of fishes **1**

M. M. Antoniazzi and M. Silveira. Studies on *Stenostomum grande* Child, 1902 (Platyhelminthes, Catenulida): fine structure of the digestive tract and the endocytotic activity of the gastrodermis **25**

G. Purschke and A. B. Tzetlin. Dorsolateral ciliary folds in the polychaete foregut: structure, prevalence and phylogenetic significance **33**

J.-Y. Sire and A. Huysseune. Structure and development of the Odontodes in an armoured catfish, *Corydoras aeneus* (Siluriformes, Callichthyidae) **51**

R. A. Cloney and L. J. Hansson. Ascidian larvae: the role of test cells in preventing hydrophobicity **73**

K. W. Wolf. Immunocytochemical evidence of a tubulin reserve at the tip of growing flagella in spermatogenesis of the Mediterranean mealmouth, *Ephestia kuehniella* **79**

B. G. M. Jamieson, S. C. Oliver and D. M. Scheltinga. The ultrastructure of the spermatozoa of Squamata. I. Scincidae, Gekkonidae and Pygopodidae (Reptilia) **85**

CONTENTS VOL. 77 NO. 2 1996

R. P. S. Jefferies, N. A. Brown and P. E. J. Daley. The early phylogeny of chordates and echinoderms and the origin of chordate left–right asymmetry and bilateral symmetry **101**

J. Haupt. Fine structure of the trichobothria and their regeneration during moulting in the whip scorpion *Typopeltis crucifer* Pocock, 1894 **123**

L. Orrhage. On the microanatomy of the brain and the innervation and homologues of the cephalic appendages of Hesionidae and Syllidae (Polychaeta) **137**

R. Dallai, B. A. Afzelius and B. Mamaev. Flagellar axonemes with 10 microtubular doublets in spermatozoa from gall-midges (Diptera, Cecidomyiidae) **153**

O. T. Thiaw and X. Mattei. Ultrastructure of the secondary egg envelope of Cyprinodontidae of the genus *Epiplatys* Gill, 1862 (Pisces, Teleostei) **161**

R. R. Melzer, M. Heß, C. Dunkel, P. Ludwig and U. Smola. Fine structure of the 'slit organs' of the pycnogonid *Anoplodactylus petiolatus* (Anoplodactylidae) **167**

M. F. Claes. Functional morphology of the white bodies of the cephalopod mollusc *Sepia officinalis* **173**

CONTENTS VOL. 77 NO. 3 1996

R. Bochert. An electron microscopic study of spermatogenesis in *Marenzelleria viridis* (Verrill, 1873) (Polychaeta; Spionidae) **191**

C. Bührmann, W. Westheide and G. Purschke. Ultrastructure of the genital organs in the interstitial syllid *Petitia amphophthalma* (Annelida, Polychaeta) **201**

T. Wagner, C. Neinhuis and W. Barthlott. Wettability and contaminability of insect wings as a function of their surface sculptures **213**

R. C. Wyeth, S. P. Leys and G. O. Mackie. Use of sandwich cultures for the study of feeding in the hexactinellid sponge *Rhabdocalyptus dawsoni* (Lambe, 1892) **227**

C. H. C. Brunton. The functional morphology of the recent brachiopod *Bouchardia rosea* **233**

CONTENTS VOL. 77 NO. 3 1996 (Continued)

B. Joffe, I. Solovei and L. R. G. Cannon. The posttentacular syncytia of temnocephalids: the first indication of a putative osmoregulatory organ in the epidermis of a platyhelminth **241**

M. J. Weedon and P. D. Taylor. Skeletal ultrastructures in some cerioporine cyclostome bryozoans **249**

CONTENTS VOL. 77 NO. 4 1996

A. Schmidt-Rhaesa. Ultrastructure of the anterior end in three ontogenetic stages of *Nectonema munidae* (Nematomorpha) **267**

J. E. Russell and R. Tumlison. Comparison of microstructure of white winter fur and brown summer fur of some Arctic mammals **279**

S. Scippa and C. Izzo. An ultrastructural study of the hemocytes of the pericardial body in the ascidian *Ciona intestinalis* (L.) **283**

D. J. Macey, L. R. Brooker, J. Webb and T. G. St. Pierre. Structural organisation of the cusps of the radular teeth of the chiton *Plaxiphora albida* **287**

K. Schaefer and G. Haszprunar. Anatomy of *Laevipilina antarctica*, a monoplacophoran limpet (Mollusca) from Antarctic waters **295**

G. Haszprunar and K. Schaefer. Anatomy and phylogenetic significance of *Micropilina arntzi* (mollusca, monoplacophora, micropilinidae fam. nov.) **315**

S. Richter and H. Splechtna. The structure of anuran podocyte—determined by ecology? **335**